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NOTICE OF ALLOWANCE AND FEE(S) DUE

36614 7590 07/01/2008

MANATT PHELPS AND PHILLIPS
ROBERT D. BECKER
1001 PAGE MILL ROAD, BUILDING 2
PALO ALTO, CA 94304

EXAMINER

HOLMES, MICHAEL B

ART UNIT

PAPER NUMBER

2129

DATE MAILED: 07/01/2008

APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
09/885,078	06/21/2001	Kevin Wade Jameson	25357-030-002	3814

TITLE OF INVENTION: COLLECTION INFORMATION MANAGER

APPLN. TYPE	SMALL ENTITY	ISSUE FEE DUE	PUBLICATION FEE DUE	PREV. PAID ISSUE FEE	TOTAL FEE(S) DUE	DATE DUE
nonprovisional	NO	\$1440	\$300	\$0	\$1740	10/01/2008

THE APPLICATION IDENTIFIED ABOVE HAS BEEN EXAMINED AND IS ALLOWED FOR ISSUANCE AS A PATENT. PROSECUTION ON THE MERITS IS CLOSED. THIS NOTICE OF ALLOWANCE IS NOT A GRANT OF PATENT RIGHTS. THIS APPLICATION IS SUBJECT TO WITHDRAWAL FROM ISSUE AT THE INITIATIVE OF THE OFFICE OR UPON PETITION BY THE APPLICANT. SEE 37 CFR 1.313 AND MPEP 1308.

THE ISSUE FEE AND PUBLICATION FEE (IF REQUIRED) MUST BE PAID WITHIN THREE MONTHS FROM THE MAILING DATE OF THIS NOTICE OR THIS APPLICATION SHALL BE REGARDED AS ABANDONED. THIS STATUTORY PERIOD CANNOT BE EXTENDED. SEE 35 U.S.C. 151. THE ISSUE FEE DUE INDICATED ABOVE DOES NOT REFLECT A CREDIT FOR ANY PREVIOUSLY PAID ISSUE FEE IN THIS APPLICATION. IF AN ISSUE FEE HAS PREVIOUSLY BEEN PAID IN THIS APPLICATION (AS SHOWN ABOVE), THE RETURN OF PART B OF THIS FORM WILL BE CONSIDERED A REQUEST TO REAPPLY THE PREVIOUSLY PAID ISSUE FEE TOWARD THE ISSUE FEE NOW DUE.

HOW TO REPLY TO THIS NOTICE:

I. Review the SMALL ENTITY status shown above.

If the SMALL ENTITY is shown as YES, verify your current SMALL ENTITY status:

A. If the status is the same, pay the TOTAL FEE(S) DUE shown above.

B. If the status above is to be removed, check box 5b on Part B - Fee(s) Transmittal and pay the PUBLICATION FEE (if required) and twice the amount of the ISSUE FEE shown above, or

If the SMALL ENTITY is shown as NO:

A. Pay TOTAL FEE(S) DUE shown above, or

B. If applicant claimed SMALL ENTITY status before, or is now claiming SMALL ENTITY status, check box 5a on Part B - Fee(s) Transmittal and pay the PUBLICATION FEE (if required) and 1/2 the ISSUE FEE shown above.

II. PART B - FEE(S) TRANSMITTAL, or its equivalent, must be completed and returned to the United States Patent and Trademark Office (USPTO) with your ISSUE FEE and PUBLICATION FEE (if required). If you are charging the fee(s) to your deposit account, section "4b" of Part B - Fee(s) Transmittal should be completed and an extra copy of the form should be submitted. If an equivalent of Part B is filed, a request to reapply a previously paid issue fee must be clearly made, and delays in processing may occur due to the difficulty in recognizing the paper as an equivalent of Part B.

III. All communications regarding this application must give the application number. Please direct all communications prior to issuance to Mail Stop ISSUE FEE unless advised to the contrary.

IMPORTANT REMINDER: Utility patents issuing on applications filed on or after Dec. 12, 1980 may require payment of maintenance fees. It is patentee's responsibility to ensure timely payment of maintenance fees when due.

PART B - FEE(S) TRANSMITTAL

Complete and send this form, together with applicable fee(s), to: **Mail Stop ISSUE FEE**
Commissioner for Patents
P.O. Box 1450
Alexandria, Virginia 22313-1450
or Fax (571)-273-2885

INSTRUCTIONS: This form should be used for transmitting the ISSUE FEE and PUBLICATION FEE (if required). Blocks 1 through 5 should be completed where appropriate. All further correspondence including the Patent, advance orders and notification of maintenance fees will be mailed to the current correspondence address as indicated unless corrected below or directed otherwise in Block 1, by (a) specifying a new correspondence address; and/or (b) indicating a separate "FEE ADDRESS" for maintenance fee notifications.

CURRENT CORRESPONDENCE ADDRESS (Note: Use Block 1 for any change of address)

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Note: A certificate of mailing can only be used for domestic mailings of the Fee(s) Transmittal. This certificate cannot be used for any other accompanying papers. Each additional paper, such as an assignment or formal drawing, must have its own certificate of mailing or transmission.

Certificate of Mailing or Transmission

I hereby certify that this Fee(s) Transmittal is being deposited with the United States Postal Service with sufficient postage for first class mail in an envelope addressed to the Mail Stop ISSUE FEE address above, or being facsimile transmitted to the USPTO (571) 273-2885, on the date indicated below:

(Depositor's name)
(Signature)
(Date)

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nonprovisional	NO	\$1440	\$300	\$0	\$1740	10/01/2008

EXAMINER	ART UNIT	CLASS-SUBCLASS
HOLMES, MICHAEL B	2129	706-047000

1. Change of correspondence address or indication of "Fee Address" (37 CFR 1.363).

Change of correspondence address (or Change of Correspondence Address form PTO/SB/122) attached.
 "Fee Address" indication (or "Fee Address" Indication form PTO/SB/47; Rev 03-02 or more recent) attached. **Use of a Customer Number is required.**

2. For printing on the patent front page, list

(1) the names of up to 3 registered patent attorneys or agents OR, alternatively,
(2) the name of a single firm (having as a member a registered attorney or agent) and the names of up to 2 registered patent attorneys or agents. If no name is listed, no name will be printed.

1 _____
2 _____
3 _____

3. ASSIGNEE NAME AND RESIDENCE DATA TO BE PRINTED ON THE PATENT (print or type)

PLEASE NOTE: Unless an assignee is identified below, no assignee data will appear on the patent. If an assignee is identified below, the document has been filed for recordation as set forth in 37 CFR 3.11. Completion of this form is NOT a substitute for filing an assignment.

(A) NAME OF ASSIGNEE

(B) RESIDENCE: (CITY and STATE OR COUNTRY)

Please check the appropriate assignee category or categories (will not be printed on the patent): Individual Corporation or other private group entity Government

4a. The following fee(s) are submitted:

Issue Fee
 Publication Fee (No small entity discount permitted)
 Advance Order - # of Copies _____

4b. Payment of Fee(s): (Please first reapply any previously paid issue fee shown above)

A check is enclosed.
 Payment by credit card. Form PTO-2038 is attached.
 The Director is hereby authorized to charge the required fee(s), any deficiency, or credit any overpayment, to Deposit Account Number _____ (enclose an extra copy of this form).

5. Change in Entity Status (from status indicated above)

a. Applicant claims SMALL ENTITY status. See 37 CFR 1.27. b. Applicant is no longer claiming SMALL ENTITY status. See 37 CFR 1.27(g)(2).

NOTE: The Issue Fee and Publication Fee (if required) will not be accepted from anyone other than the applicant; a registered attorney or agent; or the assignee or other party in interest as shown by the records of the United States Patent and Trademark Office.

Authorized Signature _____

Date _____

Typed or printed name _____

Registration No. _____

This collection of information is required by 37 CFR 1.311. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) this application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 12 minutes to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, P.O. Box 1450, Alexandria, Virginia 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, Virginia 22313-1450.

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Determination of Patent Term Adjustment under 35 U.S.C. 154 (b)

(application filed on or after May 29, 2000)

The Patent Term Adjustment to date is 2141 day(s). If the issue fee is paid on the date that is three months after the mailing date of this notice and the patent issues on the Tuesday before the date that is 28 weeks (six and a half months) after the mailing date of this notice, the Patent Term Adjustment will be 2141 day(s).

If a Continued Prosecution Application (CPA) was filed in the above-identified application, the filing date that determines Patent Term Adjustment is the filing date of the most recent CPA.

Applicant will be able to obtain more detailed information by accessing the Patent Application Information Retrieval (PAIR) WEB site (<http://pair.uspto.gov>).

Any questions regarding the Patent Term Extension or Adjustment determination should be directed to the Office of Patent Legal Administration at (571)-272-7702. Questions relating to issue and publication fee payments should be directed to the Customer Service Center of the Office of Patent Publication at 1-(888)-786-0101 or (571)-272-4200.

Notice of Allowability	Application No.	Applicant(s)
	09/885,078	JAMESON, KEVIN WADE
	Examiner	Art Unit
	Michael B. Holmes	2129

-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address--

All claims being allowable, PROSECUTION ON THE MERITS IS (OR REMAINS) CLOSED in this application. If not included herewith (or previously mailed), a Notice of Allowance (PTOL-85) or other appropriate communication will be mailed in due course. **THIS NOTICE OF ALLOWABILITY IS NOT A GRANT OF PATENT RIGHTS.** This application is subject to withdrawal from issue at the initiative of the Office or upon petition by the applicant. See 37 CFR 1.313 and MPEP 1308.

1. This communication is responsive to 01/16/2004.

2. The allowed claim(s) is/are 21-40.

3. Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).

a) All b) Some* c) None of the:

1. Certified copies of the priority documents have been received.
2. Certified copies of the priority documents have been received in Application No. _____.
3. Copies of the certified copies of the priority documents have been received in this national stage application from the International Bureau (PCT Rule 17.2(a)).

* Certified copies not received: _____.

Applicant has THREE MONTHS FROM THE "MAILING DATE" of this communication to file a reply complying with the requirements noted below. Failure to timely comply will result in ABANDONMENT of this application.

THIS THREE-MONTH PERIOD IS NOT EXTENDABLE.

4. A SUBSTITUTE OATH OR DECLARATION must be submitted. Note the attached EXAMINER'S AMENDMENT or NOTICE OF INFORMAL PATENT APPLICATION (PTO-152) which gives reason(s) why the oath or declaration is deficient.

5. CORRECTED DRAWINGS (as "replacement sheets") must be submitted.

(a) including changes required by the Notice of Draftsperson's Patent Drawing Review (PTO-948) attached
1) hereto or 2) to Paper No./Mail Date _____.

(b) including changes required by the attached Examiner's Amendment / Comment or in the Office action of
Paper No./Mail Date _____.

Identifying indicia such as the application number (see 37 CFR 1.84(c)) should be written on the drawings in the front (not the back) of each sheet. Replacement sheet(s) should be labeled as such in the header according to 37 CFR 1.121(d).

6. DEPOSIT OF and/or INFORMATION about the deposit of BIOLOGICAL MATERIAL must be submitted. Note the attached Examiner's comment regarding REQUIREMENT FOR THE DEPOSIT OF BIOLOGICAL MATERIAL.

Attachment(s)

1. <input checked="" type="checkbox"/> Notice of References Cited (PTO-892)	5. <input type="checkbox"/> Notice of Informal Patent Application
2. <input type="checkbox"/> Notice of Draftsperson's Patent Drawing Review (PTO-948)	6. <input type="checkbox"/> Interview Summary (PTO-413), Paper No./Mail Date _____.
3. <input type="checkbox"/> Information Disclosure Statements (PTO/SB/08), Paper No./Mail Date _____.	7. <input type="checkbox"/> Examiner's Amendment/Comment
4. <input type="checkbox"/> Examiner's Comment Regarding Requirement for Deposit of Biological Material	8. <input checked="" type="checkbox"/> Examiner's Statement of Reasons for Allowance
	9. <input type="checkbox"/> Other _____.



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Examiner's Detailed Office Action

1. Claims 1-20 have been cancelled.
2. Claims 21-40 are allowed.

REASONS FOR ALLOWANCE

3. The following is an Examiner's statement for reasons for allowance:
4. Claims 21-40 are considered allowable since when reading the claims in light of the specification, none of the references of record alone or in combination disclose or suggest the combination of limitations specified in the independent claim(s).
5. The limitations recited in independent claim 21 “A collection information manager process for associating a collection instance with corresponding collection type definition information, to be performed on or with the aid of a programmable device, comprising the following steps: (a) obtaining collection specifier information for a collection instance, (b) deriving a collection type indicator from said collection specifier information, (c) using said collection type indicator to obtain corresponding collection type definition information for said collection instance, wherein collections are data structures comprised of a collection

specifier and collection content containing zero or more collection content files, and wherein collection specifiers contain information about collection instances, and wherein collection type definitions are user-defined sets of attributes that are useful to application programs for understanding and processing collections, thereby associating said collection instance with corresponding collection type definition information, and thereby providing a solution to the collection information management problem, and thereby enabling software programs to process collection instances more knowledgeably, in the presence of detailed, corresponding collection type definition information.”

6. The limitations recited in independent claim 27 “A programmable collection information manager device for associating a collection instance with corresponding collection type definition information, whose actions are directed by software executing a process comprising the following steps: (a) obtaining collection specifier information for a collection instance, (b) deriving a collection type indicator from said collection specifier information, (c) using said collection type indicator to obtain corresponding collection type definition information for said collection instance, wherein collections are data structures comprised of a collection specifier and collection content containing zero or more collection content files, and wherein collection specifiers contain information about collection instances, and wherein collection type definitions are user-defined sets of attributes that are useful to application programs for understanding and processing collections, thereby associating said collection instance with corresponding collection type definition information, and thereby providing a solution to the collection information management problem, and thereby enabling software programs to process collection instances more knowledgeably, in the presence of

detailed, corresponding collection type definition information.”

7. The limitations recited in independent claim 33 “A computer readable memory, encoded with data representing a computer program, that can be used to direct a computer when used by the computer, comprising: (a) means for obtaining collection specifier information for a collection instance, (b) means for deriving a collection type indicator from said collection specifier information, and (c) means for using said collection type indicator to obtain corresponding collection type definition information for said collection instance, wherein collections are data structures comprised of a collection specifier and collection content containing zero or more collection content files, and wherein collection specifiers contain information about collection instances, and wherein collection type definitions are user-defined sets of attributes that are useful to application programs for understanding and processing collections, thereby providing means for associating said collection instance with corresponding collection type definition information, and thereby providing a solution to the collection information management problem, and thereby enabling software programs to process collection instances more knowledgeably, in the presence of detailed, corresponding collection type definition information.”

8. The limitations recited in independent claim 39 “A computer readable memory containing data with a structure capable of causing a programmable device to operate in a particular manner, the structure comprising: (a) a compilation of collection type definition information for one or more collection types, organized according to collection type, and containing collection processing information, (b) means for using a collection type indicator from a request for collection type information initiated by a request originator to obtain corresponding collec-

tion type definition information from said compilation, and (c) means for returning said obtained collection type definition information to said request originator, wherein collections are data structures comprised of a collection specifier and collection content containing zero or more collection content files, and wherein collection specifiers contain information about collection instances, and wherein collection type definitions are user-defined sets of attributes that are useful to application programs for understanding and processing collections, thereby providing automated collection processing programs with a practical means for reusing an existing compilation of collection type definition knowledge.”

9. The limitations recited in independent claim 40 “A programmable collection information manager device for making collection type definition information directly available over a network connection, whose actions are directed by software executing a process comprising the following steps: (a) in response to an incoming network request for collection type definition information, wherein said network request contains a collection type indicator, obtaining corresponding collection type definition information using a collection type definition API means connected to at least one collection type definition server means, (b) writing said obtained collection type definition information into a collection type definition data structure, and (c) sending said obtained corresponding collection type definition information stored in said collection type definition data structure over the network in response to said incoming query, wherein collections are data structures comprised of a collection specifier and collection content containing zero or more collection content files, and wherein collection specifiers contain information about collection instances, and wherein collection type definitions are user-defined sets of attributes that are useful to application programs for understanding and processing collections, thereby imple-

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menting a scalable network service for providing shared collection type definition information to automated collection processing programs, and thereby providing an automated, scalable means for storing and reusing human collection processing knowledge, toward the goal of reducing the knowledge burden required of knowledge workers who currently perform repetitive manual processes on collections of files.”

10. When taken in context the claim(s) as a whole, were not uncovered in the prior art.

Moreover, the dependent claims are allowed as they depend upon an allowable independent claim(s).

11. Any comments considered necessary by applicant must be submitted no later than the payment of the issue fee and, to avoid processing delays, should preferably accompany the issue fee. Such submissions should be clearly labeled “Comments regarding Statement of Reasons for Allowance.”

Correspondence Information

12. Any inquires concerning this communication or earlier communications from the examiner should be directed to Michael B. Holmes, who may be reached Monday through Thursday, between 8:00 a.m. and 6:00 p.m. EST. or via telephone at (571) 272-3686 or facsimile transmission (571) 273-3686 or email michael.holmesb@uspto.gov.

If you need to send an Official facsimile transmission, please send it to (571) 273-8300.

If attempts to reach the examiner are unsuccessful the Examiner’s Supervisor, David Vincent, may be reached at (571) 272-3080.

Hand-delivered responses should be delivered to the Receptionist @ (Customer Service

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Window Randolph Building 401 Dulany Street, Alexandria, VA 22313), located on the first floor of the south side of the Randolph Building.

Finally, information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Moreover, status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see <http://pair-direct.uspto.gov>. Should you have any questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) toll-free @ 1-866-217-9197.

Michael B. Holmes

Primary Examiner
Artificial Intelligence
Art Unit 2129

United States Department of Commerce
Patent & Trademark Office

Friday, June 20, 2008

MBH

*/Michael B. Holmes/
Primary Examiner, Art Unit 2129*